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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KIRENKO, Ihor** [UA/NL]; c/o Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR). **TELYUK, Taras** [UA/NL]; c/o Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

(74) Agent: **ROCHE, Denis**; Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

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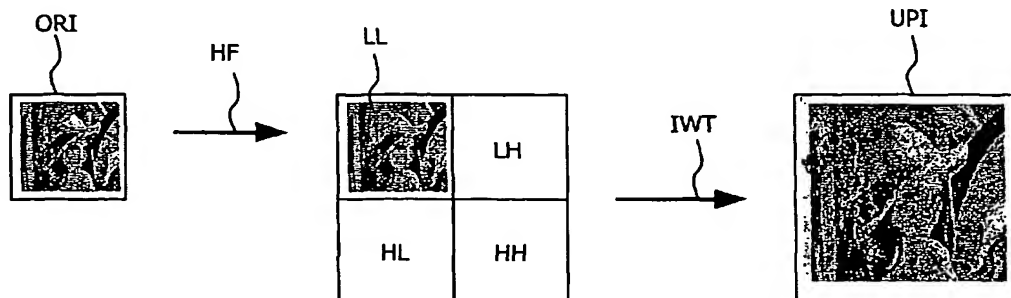
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(54) Title: METHOD FOR SPATIAL UP-SCALING OF VIDEO FRAMES



(57) Abstract: The present invention relates to method for spatial up-scaling of an original video frame comprising p rows and q columns of pixels, where p and q are integers. Said up-scaling method comprises a step of constructing high-low (HL), low-high (LH), and high-high (HH) virtual spatial frequency subbands comprising p rows and q columns of pixels from the use of high-pass filtering of the original video frame, considered as a low-low spatial frequency subband (LL), in horizontal, vertical, and both directions, respectively. Said up-scaling method further comprises a step of applying an inverse wavelet transform (IWT) to the constructed subbands and to the original video frame in such a way that an up-sampled version of the original image is obtained.



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